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Substitute for form 1449/PTO

**O I P E J C INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known	
Application Number	10/811,513
Filing Date	March 29, 2004
First Named Inventor	Stacie Cana-Koch, et al
Art Unit	1614
Examiner Name	TBA
Attorney Docket Number	PC19150A

## **U.S. PATENT DOCUMENTS**

## **FOREIGN PATENT DOCUMENTS**

EXAMINER:

by Ls

**DATE CONSIDERED:**

1/30/06

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.1). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kinds of document by the appropriate symbols as indicated on the WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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	Art Unit	1614
	Examiner Name	TBA
	Attorney Docket Number	PC19150A

<b>NON PATENT LITERATURE DOCUMENTS</b>			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
<i>SL</i>		XP002284089 "6H-Azepino [5.4.3-cd]indol-6-one, 8-fluoro-1,3,4,5-tetrahydro-2-[4-[(methylamino)methyl]phenyl]-, phosphate", Chemical Abstracts Service, Columbus, Ohio, USA, 2002.	

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Substitute for form 1469/PTO**Complete if Known**

Application Number	10/811,513
Filing Date	March 29, 2004
First Named Inventor	Stacie Cana-Koch, et al
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	PC19150

**INFORMATION DISCLOSURE  
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	Cite No. <sup>1</sup>	DOCUMENT NUMBER	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup>			
Al	AA	3,883,590	05-13-1975	Schmerling, et. al.	
	AB	3,900,477	08-19-1975	Philipp, et. al.	
	AC	3,932,406	01-13-1976	Buttner, et. al.	
	AD	3,950,343	04-13-1976	Philipp, et. al.	
	AE	3,978,066	08-31-1976	Philipp, et. al.	
	AF	4,033,960	07-05-1977	Seng, et. al.	
	AG	4,910,193	03-20-1990	Buchheit	
	AH	5,215,738	06-01-1993	Lee, et. al.	
	AI	5,246,933	09-21-1993	Turnbull, et. al.	
	AJ	5,572,143	12-21-1993	Benson, et. al.	
	AK	5,342,946	08-30-1994	Hamilton, et. al.	
	AL	5,587,384	12-24-1996	Zhang, et. al.	
	AM	5,589,483	12-31-1996	West	
	AN	5,659,082	08-19-1997	Flitter, et. al.	
	AO	5,756,510	05-26-1998	Griffin, et. al.	
	AP	5,756,548	05-26-1998	Flitter, et. al.	
Al	AQ	6,495,541	12-17-2002	Webber, et. al.	

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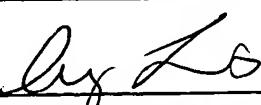
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		Attorney Docket Number	PC19150

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EXAMINER INITIAL	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>2</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
al	AR	EP 00/18493	11-12-1980	Bayer AG		
	AS	JP 57144286	09-06-1982	Takeda Chem. Ind. Ltd		
	AT	JP 6434988	02-06-1989	Takeda Chem. Ind. Ltd.		
	AU	WO 95/09159	04-06-1995	Otsuka Pharmaceutical Company, Limited		
	AV	WO 95/24379	09-14-1995	Cancer Research Campaign Technology Limited		
	AW	WO 95/26186	10-05-1995	Oxigene, Inc.		
	AX	GB 2297089	07-24-1996	Zeneca Farms S.A.		
	AY	WO 97/04771	02-13-1997	Newcastle University Ventures Limited		
	AZ	WO 97/19934	06-05-1997	Chinoin Gyogyszer Es Vegyeszeti Termek Gyara		
	BA	WO 97/32576	09-12-1997	Oxigene, Inc.		
	BB	WO 98/33802	08-06-1998	Octamer, Inc.		
	BC	WO 98/51307	11-19-1998	Octamer, Inc.		
	BD	WO 98/51308	11-19-1998	Octamer, Inc.		
	BE	WO 99/11624	03-11-1999	Guilford Pharmaceuticals, Inc.		
	BF	WO 99/11628	03-11-1999	Guilford Pharmaceuticals, Inc.		
al	BG	WO 99/11645	03-11-1999	Guilford Pharmaceuticals, Inc.		

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First Named Inventor	Stacie Cana-Koch, et al
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	PC19150

**INFORMATION DISCLOSURE STATEMENT BY APPLICANT**  
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✓ BH	WO99/11622	03-11-1999	Guilford Pharmaceuticals, Inc.	
✓ BI	WO 99/11644	03-11-1999	Guilford Pharmaceuticals, Inc.	
✓ BJ	WO 99/11623	03-11-1999	Guilford Pharmaceuticals, Inc.	
✓ BK	WO 99/59975	11-25-1999	Guilford Pharmaceuticals, Inc.	
✓ BL	WO 99/59973	11-25-1999	Guildford Pharmaceuticals, Inc.	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
✓ AL	BM	ACKERLY, et. al., "A Novel Approach to Dual-Acting Thromboxane Receptor Antagonist/Synthase Inhibitors Based on the Link of 1,3-Dioxane-Thromboxane Receptor Antagonists and Thromboxane Synthase Inhibitors," <i>J. Med. Chem.</i> , 1995, 1608-1628, Vol. 38.	
	BN	ANANTHARAYANAN, et. al., "3,4-Bridged Indoles: Part II-Synthesis of 6-Keto-1,5-dihydro-4,5-diazepino[6,5,4-cd]indoles & 3,4-Disubstituted Indoles as 5-HT Antagonists," <i>Indian Journal of Chemistry</i> , 1977, 710-714, Vol. 15B.	
	BO	ANANTHARAYANAN, et. al., "3,4 Bridged indoles: Part II. Synthesis of 6-keto-1,5-dihydro-4,5-diazepino '6,5,4-CDlindoles and 3,4-disunstituted indoles as 5-HT antagonist," <i>Chemical Abstracts</i> , 1978, 543, Vol. 88, No. 17.	
	BP	BABIYCHUK, et. al., "Higher plants possess two structurally different poly(ADP-ribose) polymerases," <i>The Plant Journal</i> , 1998, 635-645, Vol. 15, No. 5.	
	BQ	BANASIK, et. al., "Specific Inhibitors of Poly(ADP-ribose) Synthetase and Mono(ADP-Ribosyl)Transferase," <i>The Journal of Biological Chemistry</i> , 1992, 1569-1575, Vol. 267, No. 3.	
	BR	BOWES, et. al., "Effects of inhibitors of the activity of poly (ADP-ribose) synthetase on the liver injury caused by ischaemia-reperfusion: a comparison with radical scavengers," <i>British Journal of Pharmacology</i> , 1998, 1254-1260, Vol. 124.	
	BS	BOWES, et. al., "Inhibitors of the activity of poly(ADP-ribose) synthetase reduce the cell death caused by hydrogen peroxide in human cardiac myoblasts," <i>British Journal of Pharmacology</i> , 1998, 1760-1766, Vol. 124.	
✓ AL	BT	BOWMAN, et. al., "1,3,4,5-Tetrahydrobenz[cd] indoles and Related Compounds. Part II," <i>J.C.S. Perkin I</i> , 1972, 1926-1932.	

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<i>Al</i>	BU	BOWMAN, et al., "Potentiation of anti-cancer agent cytotoxicity by the potent poly(ADP-ribose) polymerase inhibitors NU1025 and NU1064," <i>British Journal of Cancer</i> , 1998, 1269-1277, Vol. 78, No. 10.	
	BV	BOWMAN, et al., 1,3,4,5-tetrahydrobenz 'cdlindoles and related compounds, Part II., <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 1972, 1926-1932,	
	BW	BRESLIN, et al., "Synthesis and Anti-HIV-1 Activity of 4,5,6,7-Tetrahydro-5-methylimidazo-[4,5,1-jk][1,4] benzodiazepin-2(1H)-one (TIBO) Derivatives," <i>J. Med. Chem.</i> , 1995, 771-792, Vol. 38.	
	BX	BURKART, et al., "Mice lacking the poly(ADP-ribose) polymerase gene resistant to pancreatic beta-cell destruction and diabetes development induced by streptozocin," <i>Nature Medicine</i> , 1999, 314-319, Vol. 5.	
	BY	CHOI, "At the Scene of Ischemic Brain Injury: Is PARP a Perp?," <i>Nature Medicine</i> , 1997, 1073-1074, Vol. 3, No. 10.	
	BZ	CLARK, et al., "1,9-Alkano-Bridged 2,3,4,5-Tetrahydro-1H-3-benzazepines with Affinity for the $\alpha_2$ -Adrenoceptor and the 5-HT <sub>1A</sub> Receptor," <i>J. f Med. Chem.</i> , 1990, 633-641, Vol. 33.	
	CA	COSI, et al., "Poly(ADP-Ribose) Polymerase Revisited: A New Role for an Old Enzyme: PARP Involvement in Neurodegeneration and PARP Inhibitors as Possible Neuroprotective Agents," <i>Ann. N. Y. Acad. Sci.</i> , 366-379.	
	CB	DEMERSON, et al., "Pyrrolo[4,3,2-de]isoquinolones with Central Nervous System and Antihypertensive Activities," <i>Journal of Medicinal Chemistry</i> , 1974, 1140-1145, Vol. 17, No. 11.	
	CC	DENNY, et al., "Potential Antitumor Agents. 59. Structure-Activity Relationships for 2-Phenylbenzimidazole-4-carboxamides, a New Class of 'Minimal' DNA-Intercalating Agents Which May Not Act via Topoisomerase II," <i>Journal of Medicinal Chemistry</i> , 1990, 814-819, Vol. 33.	
	CD	ELIASSON, et al., "Poly (ADP-ribose) polymerase gene disruption renders mice resistant to cerebral ischemia," <i>Nature Medicine</i> , 1997, 1089-1095, Vol. 3, No. 10.	
	CE	ENDRES, et al., "Protective effects of 5-iodo-6-amino-1,2-benzopyrone, an inhibitor of poly(ADP-ribose) synthetase against peroxynitrite-induced glial damage and stroke development," <i>European Journal of Pharmacology</i> , 1998, 377-382, Vol. 351.	
	CF	ENDRES, et al., "Ischemic Brain Injury is Mediated by the Activation of Poly(ADP-Ribose)Polymerase," <i>Journal of Cerebral Blood Flow Metab.</i> , 1997, 1143-1151, Vol. 17, No. 11.	
<i>Al</i>	CG	GALL, et al., "Syntheses of 7-Substituted Indoline Derivatives," <i>Journal</i> , 1955, 1538-1544, Vol. 20.	

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Alf	CH	GENESTE, et al., "Recherches en serie de l'imidazo-(4,5,1-jk)-benzodiazepine-1,4 et de l'imidazo-(1,5,4-ef) - benzodiazepine – 1,5," <i>Eur. J. Med. Chem.</i> , 1978, 53-59; Vol. 13, No. 1 with English abstract	
	CI	GILCHRIST, et al., "Cyclisation of ortho-Substituted N-Arylbenzimidoyl Nitrenes," <i>J. C. S. Perkin I</i> , 1979, 2303-2307.	
	CJ	GMEINER, et al., "Synthesis and Dopamine Receptor Binding of 3-Phenylazepino [5,4,3-c,d] indole Derivatives," <i>Arch. Pharm.</i> , 1995, 329-332, Vol. 328.	
	CK	GRIFFIN, et al., "Resistance-Modifying Agents. 5. Synthesis and Biological Properties of Quinazololinone Inhibitors of the DNA Repair Enzyme Poly(ADP-ribose) Polymerase (PARP)," <i>Journal of Medicinal Chemistry</i> , 1998, 5247-5256, Vol. 41..	
	CL	GRIFFIN, et. al., "Novel Potent Inhibitors of the DNA Repair Enzyme Poly (ADP-ribose) Polymerase (PARP)," <i>Anti-Cancer Drug Design</i> , 1995, 507-514, Vol. 10.	
	CM	HAYASHI, et al., "Induction of hepatic poly (ADP-ribose) polymerase by peroxisome proliferators, non-genotoxic hepatocarcinogens," <i>Cancer Letters</i> , 1998, 1-7, Vol. 127.	
	CN	HESTER, et al., "Pyrrolo [3,2,1-jk][1,4] benzodiazepines and Pyrrolo {1,2,3-ef}[1,5] benzodiazepines Which Have Central Nervous System Activity", <i>Journal of Medicinal Chemistry</i> , 1970, 827-835, Vol. 13, No. 5.	
	CO	HIGGINS, J., "Benzimidazole Polymers from Aldehydes and Tetraamines," <i>Journal of Polymer Science, Part A-1</i> , 1970, 171-177, Vol. 8.	
	CP	HORNING, et. al., "Isocarbostyrls. II. The Conversion of 1-Methyl-4-acyl-5-nitroisocarbostyrls to 2-Substituted Indole-4-carboxylic Acids," <i>Canadian Journal of Chemistry</i> , 1971, 2797-2802, Vol. 49.	
	CQ	IMAI, et. al., "Facile Syntheses of 2H-1,2,4-Benzothiadiazine 1,1-Dioxides and 4-Oxo-3,4-Dihydroquinazolines from 2-Aminobenzenesulfonamide or 2-Aminobenzamide and Aldehydes in the Presence of Sodium Hydrogen Sulfite," <i>Synthesis</i> , January 1981, 35-36.	
	CR	KAMENKA, et. al., "Syntheses en Serie de la Ceto 6 imidazo [4,5,1-ij] quinolene," <i>Chem.</i> , 1973, 459, Vol. 10.	
	CS	KAWAMURA, et al., "An alternative form of poly(ADP-ribose) polymerase in <i>Drosophila melanogaster</i> and its ectopic expression in rat-1 cells," <i>Biochemical and Biophysical Research Communications</i> , 1998, 35-40, Vol. 251.	
Alf	CT	KUBO, et al., "Nonpeptide Angiotensin II Receptor Antagonists. Synthesis and Biological Activity of Benzimidazoles," <i>J. Med. Chem.</i> , 1993, 1772-1784, Vol. 36..	

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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### **Complete if Known**

Application Number	10/811,513
Filing Date	March 29, 2004
First Named Inventor	Stacie Cana-Koch, et al
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	PC19150

<i>Q</i>	CU	LOVE, et. al., "Neuronal accumulation of poly(ADP-ribose after brain ischaemia," <i>Neuropathology and Applied Neurobiology</i> , 1999, 98-103, Vol. 25.	<i>Q</i>
	CV	MAHAJAN, et al., "Purification and cDNA Cloning of Maize Poly(ADP)-Ribose Polymerase," <i>Plant Physiol.</i> , 1998, 895-905, Vo. 118.	
<i>Q</i>	CW	MANDIR, et. al., "Poly(ADP-ribose) polymerase activation mediates 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced parkinsonism,: Proc. Natl. Acad. Sci. USA, 1999, 5774-5779, Vol. 96.	<i>Q</i>
	CX	MARSISCHKY, et. al., "Role of Glutamic Acid 988 of Human Poly-ADP-ribose Polymerase in Polymer Formation, <i>Journal of Biological Chemistry</i> , 1995, 3247-3254, Vol. 270, No. 7.	
<i>Q</i>	CY	MARYANOFF, et. al., "Potential Anxiolytic Agents. Pyrido [1,2-a] benzimidazoles: A New Structural Class of Ligands for the Benzodiazepine Binding Site on GABA-A Receptors," <i>J. Med. Chem.</i> , 1995, 16-20, Vol. 38.	<i>Q</i>
	CZ	MUCHOWSKI, et. al., "Isocarbostyries. II. Conversion of 2-methyl-4-acyl-5-nitroisocarbostyries to 2-substituted indole-4-carboxylic acids," <i>Chemical Abstracts</i> , 1971, 304, Vol. 74, No. 23.	
<i>Q</i>	DA	MURCIA, et al., "Poly(ADP-ribose) polymerase: a molecular nick-sensor," <i>TIBS</i> 19, 1994, 172-176.	<i>Q</i>
	DB	NAIDONG, et al., "Stereospecific determinations of ( $\pm$ )-DU-124884 and its metabolites ( $\pm$ )-KC-9048 in human plasma by liquid chromatography," <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1996, 325-337, Vol. 14.	
<i>Q</i>	DC	PENNISI, "A Possible New Partner for Telomerase," <i>Science</i> , 1998, 1395,1397, Vol. 282.	<i>Q</i>
	DD	PIEPER, et. al., "Poly(ADP-ribose) polymerase, nitric oxide, and cell death," <i>Trends Pharmacol. Sci.</i> , 1999, 171-181, Vol. 20.	
<i>Q</i>	DE	PROX, et. al., "Rapid Structure Elucidation of Drug Metabolites by Use of Stable Isotopes," <i>Xenobiotica</i> , 1973, 103-112, Vol. 3 No. 2.	<i>Q</i>
	DF	PULLEN, et al., "Chiral separation retention mechanisms in high-performance liquid chromatography using bare silica stationary phase and $\beta$ -cyclodextrin as a mobile phase additive," <i>Journal of Chromatography A</i> , 1995, 187-193, Vol. 691.	
<i>Q</i>	DG	PULLEN, et al., "Direct Determination of Substituted Azepinoindole Enantiomers in Rat Plasma Using Silica Stationary Phase and $\beta$ -Cyclodextrin as a Mobile Phase Additive," <i>Analytical Chemistry</i> , 1995, 1903-1906, Vol. 67.	<i>Q</i>

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Filing Date	March 29, 2004
First Named Inventor	Stacie Cana-Koch, et al
Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	PC19150

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<i>Al</i>	DH	SALDEEN, et. al., "Nicotinamide-Induced Apoptosis in Insulin Producing Cells in Associated with Cleavage of Poly(ADP-ribose) Polymerase," <i>Molecular and Cellular Endocrinology</i> , 1998, 99-107, Vol. 139.
	DI	SANTANGELO, et al., "A Convenient Synthesis of 9-Hydroxy-3,4,5,6-Tetrahydro-1H-Azepino[5,4,3-cd] Indole from 7-Methoxyindole," <i>Synthetic Communications</i> , 1993, 2717-2725, Vol. 23, No. 19.
	DJ	SAWANT, et al., "Synthesis of Some Pentacyclic Quinoxalines," <i>J. Shivaji Univ. (Science)</i> , 1977, 63-65, Vol. 17.
	DK	SCHNELLER, et al., "Synthesis of proximal-Benzoguanine and a Simplified Synthesis of proximal-Benzohypoxanthine," <i>J. Org. Chem.</i> , 1986, 4067-4070, Vol. 51..
	DL	SCULLEY, et al., "The determination of kinetic constants governing the slow, tight-binding inhibition of enzyme-catalysed reactions," <i>Biochimica et Biophysica Acta</i> , 1986, 874, 44-53.
	DM	SEGEL, et. al., <u>Enzyme Kinetics: Behavior and Analysis of Rapid Equilibrium and Steady-State Enzyme Systems</u> , 1975, 100-125, John Wiley & Sons, Inc. New York.
	DN	SIMONIN, et. al., "Identification of Potential Active-site Residues in the Human Poly(ADP-ribose) Polymerase," <i>The Journal of Biological Chemistry</i> , 1993, 8529-8535, Vol. 268, No. 12.
	DO	SMITH, et al., "Tankyrase, a Poly(ADP-Ribose) Polymerase at Human Telomeres," <i>Science</i> , 1998, 1484-1487, Vol. 282.
	DP	SOMEI, et al., "The Chemistry of Indoles. XLIV. Synthetic Study Directed toward 3,4,5,6-Tetrahydro-1H-azepino[5,4,3-cd] indoles," <i>Chem. Pharm. Bull.</i> , 1988, 1162-1168, Vol. 36.
	DQ	SOMEI, M. et. al., "Azepinoindole derivatives as ergoline alkaloid-type pharmaceuticals," <i>Chemical Abstracts</i> , 1989, 743, Vol. 111, No. 11.
	DR	SUTO, et. al., "Dihydroisoquinolinones: the design and synthesis of a new series of potent inhibitors of poly(ADP-ribose) polymerase," <i>Anti-Cancer Drug Design</i> , 1991, 107-117, Vol. 7.
	DS	SZABO, et al., "Role of poly(ADP-ribose) synthetase in inflammation and ischaemia-reperfusion," <i>TiPS</i> , 1998, 287-298, Vol. 19.
	DT	SZABO, et. al., "Role of Poly(ADP-ribose) Synthetase in Inflammation," <i>Eur. J. Biochem.</i> , 1998, 1-19, Vol. 350, No. 1.
<i>Al</i>	DU	SZABO, et. al., "Protection Against Peroxynitrite-induced Fibroblast Injury and Arthritis Development by Inhibition of Poly(ADP-ribose) Synthetase," <i>Proc. Natl. Acad. Sci. USA</i> , 1998, 3867-3872, Vol. 95.

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